2001-K-211 OM8 Approval No. 0348-0043

APPLICATION FOR				OM8 Approval No. 0348-0043		
.FEDERALASSISTA	NCE	2. DATESUBMITTED		Applicant Identifier		
		04-26-2000]		
1. TYPE OF SUBMISSION:		(3.DATE RECEIVED BY	/STATE	(State Application Identifier		
Application Construction	Preapplication Construction	4. DATE RECEIVED BY	/ CEDEDAL ACENCY	 Federal Identifier		
	Non-Conshuction	4. DATE RECEIVED BY	FEDERALAGENCI			
Non-Construction 5. APPLICANT INFORMATION						
Legal Name:			Drganizational Unit: CA-W Fish Healt	th, Center		
Address (give city, county, State	, and zip code):			number of personto be contacted on matters involvin		
24411 Colemen Fish Hate	chery Rd.		his application (pine area code)			
Anderson, CA 96007			J. Scott Field. 530-365-4271			
6. EMPLOYER IDENTIFICATION	ON NUMBER (EIN).			ANT: (enter appropriate letter in box)		
	7777			N		
			A State	H. Independent School Dist.		
8. TYPE OF APPUCATION		_	B. County	I.State ControlledInstitution of Higher Learning		
☐ Nér	Continuation	Revision	C. Municipal D. Township	J. Private University K. Indian Tribe		
If Revision, enter appropriate let	ter(s) in box(es)		E Interstate	L Individual		
	L	J []	F. Intermunicipal	M. Profit Organization		
	crease Award C. Increase	e Duration	G. Special District	N Other (Specify) Fed. Govt.		
D. Decrease Duration Other	(specity):		3. NAME OF FEDERA	ALAGENCY:		
			U.S. Fish and Wildlife Service			
10. CATALOG OF FEDERALD	OMESTIC ASSISTANCE N	UMBER	I1. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:			
	1		Health and Physic	ological Effects of Elevated Water		
TITLE	•			Merced River Juvenile Chincok during		
12. AREAS AFFECTED BY PR	OJECT (Cities, Counties, Sta	ulas, etc.):	the Parr-Smolt transformation.			
Merced & San Joaquin		. ,				
13. PROPOSED PROJECT	14. CONGRESSIONALDIS	STRICTS OF:				
Start Date Ending Date	a. Applicant		b. Project			
15. ESTIMATED FUNDING				SUBJECTTO REVIEW BY STATE EXECUTIVE		
a. Federal		24.770.00	ORDER 12372 PR	OCESS?		
a.i euciai	\$	14,830	a. YES. THISPREA	PPLICATION/APPLICATION WAS MADE		
b. Applicant	5	00	AVAILABLE TO THE STATE EXECUTIVE ORDER 12: PROCESS FOR REVIEW 0 N			
c. State	\$	00	DATE			
d. Logal	\$	00 ` .		MIS NOT COVERED BY E. 0.12372		
e. Other \$		00	OR PROGRAMHAS NOT BEEN SELECTED BY STA			
f Program Income \$		00	17. ISTHE APPLICANT DELINQUENT ON ANY FEDERAL DEBT			
g. TOTAL	5	14,8 30 °°	l <u> </u>	attach an explanation.		
	AUTHORIZED BY THE GO	VERNING BODY OF THE		ION ARE TRUE AND CORRECT, THE HE APPLICANT WILL COMPLY WITH THE		
Type Name of Authorized Rep J. Scott Foott		b. Title Project Leader		c. Telephope Number 530–365–4271		
L Signature of Authorized Repre				e. Dat Si d		
revious Edition Usable				1/1/ € 00 Standard Form 424 (Rev. 7-97)		
vuthorized for Local Reproduction	in			Prescribed by OMB Circular A-102		

PART E: Certification Regarding Lobbying

Certification for Contracts. Grants, Loans, and Cooperative Agreements

CHECK IF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIE AGREEMENT; SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT

CHECK IF CERTIFICATION IS FOR THE AWARD OF A FEDERAL LOANE CEEDING THE AMOUNT OF \$150,000, OR A SUBGRANT OR SUBCONTRACT EXCEEDING \$100,000, UNDER THE LOAN.

The undersigned certifies. to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will **be** paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress. and officer or employee of Congress. or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant. the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract. grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL. "Disdosure Form to Report Lobbying." in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all'subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10.000 and not more than \$100.000 for each such failure.

As the authorized Certifying Official. Thereby certify that the above specified Certifications are true.
SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL
TYPED NAME AND TITLE
DATE

4.5 PSP Cover **Sheet** (Attach to the **front** of each proposal)

Proposal Title: Health & Physiological Effect	ts of Elevated Water Temperatures on Juvenille Chinook
Applicant Name:J. Scott Rott	
	er, 24411 Coleman Fish Hatchery Rd., Ardenson, CA-96007
Telephone: 530-365-4271	
Fax: 530-365-7150	
Email:SOUL full@fw_quv	
_	T. Control of the con
Amount of funding requested: \$14,830_	for 1 years
Indicate the Topic for which you are applying	g (check only one box).
☐ Fish Passage/Fish Screens	.□ . Introduced Species
□ Habitat Restoration	
☐ Local Watershed Stewardship	□ Environmental Education
□ Water Quality	
Does the proposal address a specified Focuse	d Action? X yesno
What county or counties is the project located	d in?
Indicate the geographic area of your proposa. ☐ Sacramento River Mainstem ☐ Sacramento Trib:	(check only one box):
☐ Sacramento River Mainstem	□ East Side Trib:
□ Sacramento Trib:	Suisun Marsh and Bay
Build out and the state of the	
□ San Joaquin Trib:	□ Landscape (entire Bay-Delta watershed)
□ Delta:	□ Other:
Indicate the primary species which the propo-	sal addresses (check all that apply):
San Joaquin and East-side Delta tributar	
☐ Winter-run chinook salmon	
☐ Late-fall run chinook salmon	☐ Fall-run chinook salmon
□ Delta smelt	□ Longfin smelt
□ Splittail	□ Steelhead trout
☐ Green sturgeon	□ Striped bass
☐ Migratory birds	☐ All chinook species
□ Other:	☐ All anadromous salmonids
Specify the ERP strategic objective and targe	t (c) that the project addresses. Include page
numbers from January 1999 version of ERP	Volume 1 and II.
Artificial Pish Propagation, Page 421	Press 64 421
Water Quality (Temperature & Contaminants)	raugo 04, 421

	licate the type of applicant (check only one State agency Public/Non-profit joint venture Local government/district University	e box)	Federal agency Non-profit Private party Other:
Ind O Sk	icate the type ofproject (check only one be Planning Monitoring Research	ox):	Implementation Education
Ву	signing below, the applicant declares the f	ollow	ing:
I.)	The truthfulness of all representations in	their	proposal;
2.)	The individual signing the form is entitle applicant (if the applicant is an entity or o		11
3.)	confidentiality discussion in the PSP (Sec	ction 2	and understood the conflict of interest and 2.4) and waives any and all rights <i>to</i> privacy the applicant, to the extent as provided in the
Prin	ted name of applicant		

United States Department of the Interior

FISH AND WILDLIFE SERVICE CALIFORNIA-NEVADA FISH HEALTH CENTER 24411 Coleman Fish Hatchery Road Anderson, CA 96007

CALFED Bay-Delta Program 2001 Proposal Reviewers 1416 Ninth St., Stite 1155 Sacramento, CA 95814

May 8,2000

Dear Sir / Madam,

I believe that the Fish Health Center's two FY2001 research proposals;

Health monitoring of hatchery and natural fall-run chinook juveniles in the San Joaquin R.

System and Delta and

Health and Physiological effects of elevated water temperatures on Merced R. juveniles chinook during the parr-smolt transformation: Daily fluctuation and range representative of spring water temperatures in the San Joaquin system and Delta

are exempt from the CALFED requirement for pre-project public notification. Neither of these research projects will involve local entities or require land use changes.

I have also been advised the FWS cannot agree to a 10% retention clause for State funded projects and have attached specific language regarding this matter (H. COMPLIANCE WITH STANDARD TERMS AND CONDITIONS)...

Please contact me if there are any questions (530-365-4271). Thank you.

Sincerely,

J. Scott Foott Project Leader

D:\communications\calfednotificletter2001.wpd\may82000\jsf

H. COMPLIANCE WITH STANDARD TERMS AND CONDITIONS

The Fish and Wildlife Service (Service) cannot agree to a standard clause requested for State funded projects. Attachment D, Terms and Conditions for State Proposition **204** Funds, Section **3**, states "PerformanceRetention: Disbursements shall be made on the basis of costs incurred to date, less ten percent of the total invoice amount. Disbursement of the ten percent retention shall be made either: (1) upon the Grantee's satisfactory completion of adiscrete project task (ten percent retention for task will be reimbursed); or (2) upon completion of the project and Grantee's compliance with project closure requirements specified by CALFED (ten percent retention for entire project will be disbursed)".

The Services's authorization to enter into agreements with non Federal entities was changed in FY 2000. Our FY2000 Appropriations bill authorizes the Service to enter into contracts with State agencies when advance payment to the Service is not possible. In accordance with the requirements imposed by Congress in the FY2000 Appropriations bill and report language, the Services Director must approve a project when advance payment is not possible and certify that payments will be made in full by the State within 90 days after the Service issues an invoice.

Specifically, the 10% retention clause cannot allow timely payments for the following reasons: In our Federal Financial System (FFS) accounting program, a periodic invoice (either quarterly or monthly depending on the terms of the contract) is automatically issued from our finance center based on actual expenditures of the Service on a project. Invoices include a payment due date on the invoice and when payment is not received in full by that due date, the system automatically shows the unpaid balance as delinquent. Depending on how delinquent the payment is, interest, penalty and administrative charges may also accrue. With 10% retention witbheld on each invoice, the 10% retention amount then causes applicable invoice record in FFS to be partly delinquent and remain delinquent until the project or individual tasks identified in the contract are completed and the retention is released.

The Service's Finance Centermust report to the Department of Treasury if the Service is owed funds by any entity. Therefore, when accounts remain delinquent due to the 10% retention of payments owed the Service, that delinquency continues to be reported to Treasury.

The Service has previously entered into agreements with the State of California that do not contain the 10% retention clause. We have asked the States Deputy Attorney General (see attached letter) to provide clarifying guidance to the Department of Water Resources that is general in scope, which can also be applied to contracts related to the CALFED program.

Our offices will continue to work with the State closely on State funded projects. If the State is not satisfied with the work performed by the Service, the State project manager should contact the Service's project manager to correct the performance problem. If needed, upon notification interim billings can be canceled until the State is satisfied with the Services performance.

We can comply with all other State and Federal standard clauses.

Health and Physiological Effects of Elevated Water Temperatures on Merced R. Juvenile Chinook during the Parr-Smolt transformation: Daily fluctuation and range representative of spring water temperatures in the San Joaquin River system and Delta

Primary Contact: J. Scott Foott, PhD

U.S. Fish & Wildlife Service

California - Nevada Fish Health Center

24411 Coleman Hatchery Road

Anderson, CA 96007

Phone: 530-3654271 Fax: 530-365-7150

Email: Scott-Foott@fws.gov

Type of Organization / Tax status:

Federal Government / Tax exempt

Executive Summary

This project will identify the extent of health and physiological dysfunction incurred by elevatedspring water temperatures upon Merced River juvenile chinook (*Oncorhynchus tshawytscha*). Inadequate information on the effects of elevated temperatures, on a local stock of chinook which have evolved in the San Joaquin River System, reduces the confidence of water managers when modeling flow regimes for smolt benefits. Survival of these fish can be affected by sub-lethal physiological dysfunction during the critical parr-smolt transformation and the resultant drop in performance (predator avoidance, saltwater adaptation, immune function). The requested funds for this experiment total \$14,830

Project Description

Juvenile chinook, acclimated to a moderately high temperature (19 "C), will be subjected to 2 temperature regimes at the time of their presumed parr-smolt transformation. Temperature regimes will fluctuate in a diurnal pattern in an attempt to simulate river conditions. The **low** regime will range from 17 - 20 °C while the high regime will have a range of 19 - 23 "C. These temperature regimes were selected from the range of surface measurements recorded in the April - June 30 period during 8 year's of biosampling efforts (Interagency Ecological Program {IEP} database rm 41 - 51,1992 - 1999). Test fish will be evaluated for smolt development, immunodefenses, and recovery from stress over a 3 week period. Quarterly and a final report would be

produced by the principal investigator as well as oral presentation(s) of the study results.

Location

Juvenile Fall-run Chinook will come from the California Department of Fish & Game {CDFG} Merced River Fish Facility (MRFF) and the experiments conducted at the CANV Fish Health Center (FHC) Wet laboratory (Anderson, CA).

Ecological Biological Objectives

Declining chinook populations in the Central Valley has prompted an intense restoration effort of this valuable resource and a key element of the State's aquatic biodiversity. Health and fitness of juvenile salmon out-migrants ("smolts") are major determinates of their performance and survival. Contaminants and elevated water temperature have been identified in the CALFED process as stressors for salmonids in the San Joaquin River and Delta. Both of these stressors would have the potential for immuno-suppressive and developmental effects. Flow manipulations, to alter water temperatures at critical life stages, are one option for system changes to enhance salmonid survival.

Linkage

This project is primarily directed at the topic of water quality (i.e. evaluation of the biological processes governed by stream temperature, Feb. 1999 revised ERP Vol.1 and 2, pg 64), however, it also addresses another ERP topic: fish management/ hatchery operations of a CALFED priority species (pg 421, Artificial Fish Propagation). 'This aspect is reflected in the role water temperature plays in release timing decisions from MRFF.

Systemwide ecosystem benefits

Data from this project will complement the quantitative efforts of the IEP bio-sampling program by providing qualitative in-sight into the health effects of elevated temperatures on the survival potential of the system's juvenile chinook population. Data can also be used by the CDFG in development of optimal hatchery operations for the basin.

Technical feasibility and Timing

This project will require 900 juvenile chinook from the MRFF. Permission from CDFG for such a transfer has been requested by the primary investigator.

Methodolocly

In late March, 900 parr will be moved from MRFF to the CA-NV FHC's wet lab and gradually acclimated to 19°C over a 10 day period. Equally numbers of fish will be allocated to 2 sets of replicate tanks. One replicate group will be exposed to a diurnal temperature fluctuation of 17 - 20°C while the other group will experience a fluctuation

of 19 – 23 °C. Fish will be fed to satiation daily with a diet of tubifex worms and freezedried krill to simulate a switch to a natural diet. Water temperature, ammonia, pH, dissolved oxygen, and mortality will monitored throughout the experiment. **A** suite of assays will be performed on fish from each group on day 0, 7, 14, and 21 following the initial temperature fluctuation:

Recovery from stress: Before and 1 hour after two 30 second net stress events (within 10 minutes), plasma glucose response and blood ion content will be evaluated in the groups. The ability to return to a normal plasma profile well be evaluated after 24 hours.

Immunodefenses: Plasma protein changes (immunoglobulin, etc) will be evaluated by electrophoretic profiles. Circulating leukocyte numbers will be estimated from leukocrit data and phagocyte number will tested by the Nitroblue tetrazolium assay with cells from the spleen and anterior kidney. Groups of 25 fish will challenged with Flavobacterium columnare (an endemic bacterial pathogen which causes mortality in summer out-migrants) to determine disease resistance.

Smolt Development Ability to adapt to seawater will tested in a progressive (18,22, 28 ppt) 3 day saltwater challenge. Performance measurements include survival, dehydration, plasma sodium and osmolarity, and gill ATPase activity. Growth, histological changes to select organs, and % lipid will also be monitored.

Local involvement

No local entity involvement or impacts are foreseen.

Cost

Total request for the project is \$14,830. Categorical breakdown is as follows:

Personnel:

GS4 (temp. FTE) and GS7 (50% time) biologists	\$ 10,000
Supplies / power costs:	\$ 4,400
3% FWS overhead charge	\$ 430

Table 3. Bud et

task	I	/bene.	service contracts	materials	misc.	O/H 3%	total
1.	I	\$1000	\$0	\$4000	\$ 0	\$150	\$5150
2 .		\$4000	\$0	\$0	\$400	\$132	\$4532
3		\$4600	\$0	\$0	\$0	\$138	\$4738
4		\$ 400	\$0	\$0	\$0	\$12	\$412
totals	800hr	\$10,000	\$0	\$4,000	\$400	\$432	\$14832

Table 4. Quarterly Budget

task	oct-dec99	jan-mar00	apr-jun00	jul-sep00	oct-dec00	totals
1	\$0	\$5150	\$0	\$0	\$0	\$5150
2	\$0	\$0	\$4530	\$0	\$0	\$4530
3	\$0	\$0	\$4740	\$0	\$0	\$4740
4	\$0	\$0	\$ 410	\$0	\$0	\$410

Schedule

Task 1	Acquire supplies I hire & train technician I test system	March 1,2001
Task 2	Transport fish <i>I</i> acclimate <i>I</i> run study	April - May 2001
Task 3	Perform lab assays, analyze data	April -June 2001
Task 4	Prepare quarterly & final report	June30 & Sept 30,
		2001 for final report
Task 5	Present data for CALFED cooperators	Oct 2001

Cost-sharing

Principle investigator salary for project estimated \$4000.

John Scott Foott

Education

PhD, Comparative Pathology 1989 University of California, Davis B.S. Biol. Sciences (Marine Biol.) 1982 California Polytechnic State University, San Luis Obispo

Professional Experience

1 TOTOGOTOTICI EXPE	71101100	
USFWS	1989 - present	Fish Health Biologist & Project Leader
Idaho Dept. Fish 8	Game 1987-89	Fishery Pathologist

Two controlled laboratory studies on elevated temperature effects on Trinity **R.** juvenile chinook smolts were conducted at the FHC in **June** of 1998 and 1999 (reports pending). Smolt development of fish held at the higher temperatures (21-24°C) were inhibited and cumulative mortality higher than low temperature groups (17 - 20°C). Experience learned from these studies have been incorporated into the design of the proposed study.

105/08 Health monitoring of thatchery and natural fall-run chinook Juveniles in the San Joaquin R. system and Delta

Health and Physiological effects of elevated water temperatures on Merced R. juveniles chinook during the parr-smolt transformation: Dally fluctuation and range representative of spring water temperatures in the San Joaquin system and Delta

Environmental Compliance Checklist

All applicants must fill out this Environmental Compliance Checklist. Applications must contain answers to the following questions to be responsive and to be considered for funding.

tions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do any of the actions included in the proposal require compliance with either the California Environmental Quality Act (CEQA), the National Environmental Policy Act (NEPA), or both?

YES

X.

2. If you answered yes to # 1, identify the lead governmental agency for CEQA/NEPA compliance.

Lead Agency

3. If you answered no to #1, explain why CEQA/NEPA compliance is not required for the actions in the proposal.

No land use or water manipulation. Research on Merced R. Fish Tocility chinook with the approval of CDFG.

- 4. If CEQA/NEPA compliance is required, describe how the project will comply with either or both of these laws.

 Describe where the project IS in the compliance process and the expected date of completion.
- 5. Will the applicant require access across public or private property that the applicant does not own to accomplish the activities in the proposal?

YES

NO

If yes, the applicant must attach written permission for access from the relevant property owner(s). Failure to include written permission for access may result in disqualification of the proposal during the review process. Research and monitoring field projects for which specific field locations have not been identified will be required to provide access needs and permission for access with 30 days of notification of approval.

LOCAL .					1	
LOCAL			"			
Variance	_					
Subdivision Map Act approval						
Grading permit			* * *	•		
General plan amendment			. •	-		
Specific plan approval						
Williamson Act Contract		L				
Other						
(please specify)		• •				
None required						
,						
CPG A CONTRACTOR						-
CESA Compliance		(CDFG)				
Streambed alteration permit CWA § 401 certification		(CDFG)				
Coastal development permit		(RWQCB)			', '	* ,
Reclamation Board approval	-	(Coastal Commission	/BCDC)	•		
Notification						
Other		(DFC, ECDC)				
(please specify)					-	
Yone required			*.			
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EDERAL	-	٠				٠,
SA Consultation		market in				
dvers & Harburs Act permit	-	(USTWS)				
WA § 404 permit		(ACOE)				
their	_	(ACOE)				

CESA = California Endangered Species Act
USFWS = U.S. Fish and Wildlife Service
ACOE = U.S. Army Corps of Engineers

ESA = Endangered Species Act

CDFG = California Department of Fight and Game

RWQCB = Regional Water Quality Control Board

BCDC = Bay Conservation and Development Count.

	Health monitoring of I	atchery and nature	l fali-run chinool	juveniles in the San Josq	uin R. system and Delt	la
05/		tion: Dally fluctuat		ratures on Merced R. juver presentative of spring wat		
La	nd Use Checklist		i			
foll inc	applicants must fill out to owing questions to be re- lude them with the applica- sidered for funding.	sponsive and to b	e considered fo	r funding. Failure to a	nswer these question	as and
con	Staerea for Junating.		, .			
1.	Do the actions in the prop or restrictions in land use	osal involve physic (i.e. conservation e	al changes to the assement or places	iand(i.e. grading, planting pent of land in a wildlife r	vegetation, or breeching	ig levecs)
	YES			NO	•	
2.		type of actions are	involved in the p	roposal (i.e., research only	, planning only).	
3,	If YES to # 1, what is the	.,	thange or restrict	ion under the proposal?		
4.	If YES to # 1, is the land of YES	urrently under a V	Villamson Act co	ntract?		
5,	If YES to # 1, answer the	following:				
	Current land use Current zoning Current general plan des	ignation				
6.	If YES to #1, is the land of Department of Conserva-	lassified as Prime I don Important Fara	farmland, Farmla mland Maps?	and of Statewide Importan	ce or Unique Farmland	i on the
	YES		NO .	DON'T KNOW	•,	
7.	If YES to # 1, how many	acres of land will be	e subject to physi	cal change or land use rest	rictions under the proj	osal?
8.	If YES to#1, is the propo	erty currently being	commercially fa	rmed or grazed?		
	YES			NO		
9.	If YES to #8, what are			noloyees/acre		

							. ·:	erin i i i
10.	Will the applicant ac	quire any interest	in land under	the proposi	d (fee title	ar a conserv	ation easeme	at)?
,		· · · · ·	4	٠.	.~			
	YES		٠		NO			
		· · .				٠.		
11.	What entity/organiz	ation will bold the	interest?				-	
					٠.			
12.	If YES to # 10, answ	rer the following:					····	
	Total number of act	res to be acquired t	ınder propos	al				
	Number of acres to	-					٠.	
. "	Number of acres to	he subject to couse	rvation easer	nent	ىب			
								en e
13.	For all proposals in	volving physical ci	anges to the	land or rest	iction in la	त्रवे एउट, वेट <del>उ</del> ट	ribe what en	nth or or Sautranoù
	will:							
	· ma	nage the property	1.		<del></del>			
	, pro	vide operations an	d maintenan	co services				
		-						2.1
	, com	iduct monitoring		,				
. 13	. For land acquisition	ons (fee title or ease	anents), will	existing water	r right		, ,	
1	manufacture in the second					- 1		17 1 1
Ι,	YES		tit - di da di	en Karamatan di Alamatan	a mala a	. 1 . 4 . 3.91		
١.	<ol><li>Does the applicar</li></ol>	ot propose any mod	HITCHILIONS LO I	ne water till	st or enang	B TU CUS GSDA	SLA OL 100 pio	NAME OF THE OWNER, THE
1		1		÷ 1	· · · · NI	\	- † * ·	1, 1, 1
1	YES				111	,		
1	16. If YES to # 15, do	escribe		1				
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